

Connect IoT Bundle

The IoT gateway for easy integration
of data interfaces

Your advantages as factory operators

- › Easy to connect existing machines to IT systems without special knowledge
- › Transparency across the entire factory thanks to step-by-step integration
- › Independently configuring interfaces for manufacturing IT opens up new possibilities

Your advantages as a machine manufacturer

- › Make every Industry 4.0 and IoT interface standard for your machine
- › Easy configuration instead of programming means shorter commissioning
- › Customers' interface requirements, e.g. OPC UA, REST or MQTT are easily met



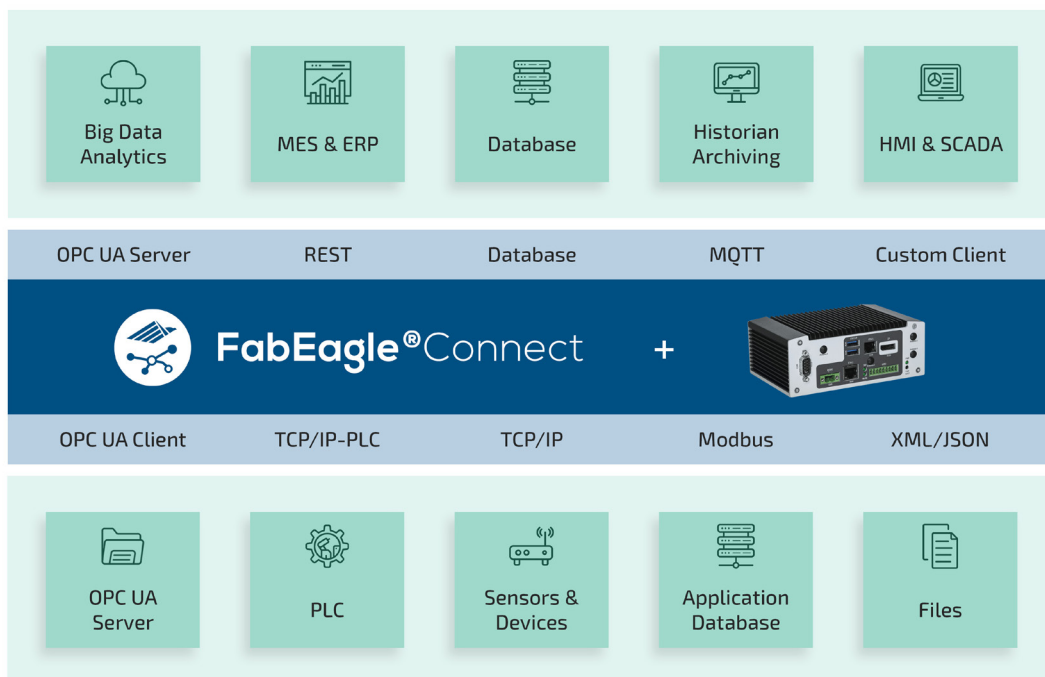
FabEagle®Connect



KBox A-250

The integration of machines and equipment into the IT world is becoming increasingly important and requires a reliable tool that combines hardware interfaces such as bus systems and complex IT interfaces such as OPC UA.

The susietec® Connect IoT bundle combines the K Box A-250 as an industrial computer platform and FabEagle® Connect as a low-code integration solution for easy interface configuration.



Connectivity & Data Access

- Cloud interfaces for big data applications via REST or MQTT
- IoT interfaces such as OPC UA, TCP/IP and Modbus for connecting machines standard package
- Databases such as Microsoft SQL, PostgreSQL and Oracle can be integrated
- File interfaces such as CSV, XML and JSON

Data Processing & Logging

- Code components for custom logic in C#
- Conversion of CSV data to JSON
- Buffering data with Redis
- Logging allows events to be recorded

Computing Plattform KBox A-250 & FabEagle® Connect

Technical Information

Processor	CPU BIOS	Intel Atom® x5-E3930 2 x 1.3 GHz (Max. Turbo 1.8 GHz), 6,5 W x5-E3940 4 x 1.6 GHz (Max. Turbo 1.8 GHz), 9,5 W x7-E3950 4 x 1.6 GHz (Max. Turbo 2.0 GHz), 12 W AMI® Aptio 5.x
Memory	Technology Capacity Socket	DDR3L-1866 MHz 2/4/8 GByte 1x SODIMM
Graphics	Graphics Core Max. Resolution	Internal Intel® HD Graphics 4096x2160 @60 Hz
Front I/O	Graphics Port USB Ethernet Controller Serial Ports GPIO Options	1x DisplayPort V1.2 2x USB 3.0 1x GbE ETH, 1 Fast ETH, WOL support Intel® i219LM & LAN9500AI 1x Serial (COM1, RS232) 9-pin GPIO Connector WLAN or LTE
Internal Expansion Slots	M.2 mPCIe	1x M.2 Key M for 2242, 2260 and 2280 1x mPCIe for mSATA
Software Support	Operating System	Windows® 10 IoT Enterprise LTSC 2021
Application	Connectivity Software	FabEagle®Connect
Power	Input Voltage Range	24 VDC (+/- 20 %)
Security	Features	TPM V2.0
Power Supply (External)	Input Voltage	24 VDC (+20 %/-15 %)
Mechanical	Cooling Dimension (WxHxD) Weight	Fanless (convection cooled) 150 x 58 x 100 mm Approx. 1 kg (2.2 lbs)
Environment	Operating Temperature Ext. Operating Temp. Storage Temperature Relative Humidity Operating Vibration Operating Shock Altitude MTBF Typical Power Consumption	0 °C to 50 °C (max. power consumption 24,5 W) -10 °C to 70 °C (max. power consumption 15,5 W) -40 °C to +85 °C (-40 °F to 185 °F) 93 % @ 40 °C, non-condensing acc. IEC 60068-2-6, 5 -500 Hz, 1G acc. IEC 60068-2-27, half sine, 15 g, 11 ms 2000 m (approx. 6550 ft) 200.000 h @30 °C 17 W
Approvals	EMC Safety Certifications	CE, FCC CB scheme, UL61010-1, UL61010-2-201



Reliable and easily configurable

- › Intel Atom® E39xx-processor performance
- › Industrial-grade hardware
- › Web client for interface configuration



Scalable and expandable

- › Individual IoT gateways up to series products
- › Scalable from single applications to factory-wide integration solutions



Future-proof and open

- › Long-term hardware availability
- › Updates and ongoing development of interfaces



Contact us for an individual offer!

Contact

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